



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Behrmann et al.

Attorney Docket No: 22.1533

Serial No: 10/667011

Art Unit:

Filed: 9/19/03

Examiner:

For: **Improving Reservoir Communication By Creating a Local Underbalance and Using Treatment Fluid**

Mail Stop: Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

☐ Declaration Submitted with Initial Filing

☒ Declaration Submitted after Initial Filing

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Improving Reservoir Communication By Creating a Local Underbalance and Using Treatment Fluid

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8 & 1.10

I hereby certify that this document and its attachments are being sent on the date indicated below to the Assistant Commissioner for Patents, Washington D.C. 20231 by:

☐ facsimile to number _____

☒ first class mail.

☐ Express Mail: Post Office to Addressee No. EV US

Date

1/5/04

Joanne Hyland

Joanne Hyland

the specification of which

☐ is attached hereto.

☒ was filed on September 19, 2003 as United States Application Number or PCT International Application Number 10/_____.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Numbers	Country	Foreign Filing Date	Priority Not Claimed	Certified Copy Attached	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date
60/186,500	March 2, 2000
60/187,900	March 8, 2000
60/252,754	November 22, 2000

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

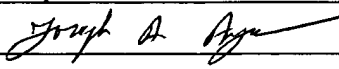
U.S. Parent Application Numbers	PCT Parent Number	Parent Filing Date	Parent Patent Number
10/316,614		12/11/2002	
09/797,209		3/1/2001	6,598,682

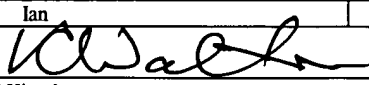
Direct all correspondence to:

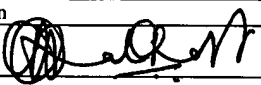
Patent Counsel
Schlumberger Reservoir Completions
Schlumberger Technology Corporation
P.O. Box 1590
Rosharon, Texas 77583

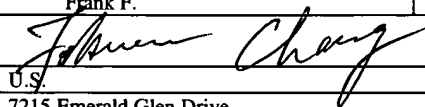
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor					<input type="checkbox"/> A petition has been filed for this unsigned inventor.		
Given Name (first and middle [if any])					Family Name or Surname		
Lawrence A.					Behrmann		
Inventor's Signature	<i>Lawrence A Behrmann</i>					Date	14 Nov 03
Citizenship	U.S.						
Residence Address	12442 Shadycrest Drive						
Residence: City	Houston	State	TX	ZIP	77082	Country	U.S.
Post Office Address	12442 Shadycrest Drive						
City	Houston	State	TX	ZIP	77082	Country	U.S.

Name of Additional Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle (if any))				Family Name or Surname			
Joseph A.				Ayoub			
Inventor's Signature						Date	10/28/03
Citizenship	U.S.						
Residence Address	2903 Cambry Crossing Ct.						
Residence: City	Katy	State	TX	ZIP	77494	Country	U.S.
Post Office Address	2903 Cambry Crossing Ct.						
City	Katy	State	TX	ZIP	77494	Country	U.S.

Name of Additional Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle [if any])				Family Name or Surname			
Ian				Walton			
Inventor's Signature						Date	10/27/03
Citizenship	United Kingdom						
Residence Address	703 Johnson Lane						
Residence: City	Sugar Land	State	TX	ZIP	77479	Country	U.S.
Post Office Address	703 Johnson Lane						
City	Sugar Land	State	TX	ZIP	77479	Country	U.S.

Name of Additional Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle [if any])				Family Name or Surname			
Adinathan				Venkitaraman			
Inventor's Signature						Date	10/28/2003
Citizenship	India						
Residence Address	2900 South Gessner, #2307						
Residence: City	Houston	State	TX	ZIP	77063	Country	U.S.
Post Office Address	2900 South Gessner, #2307						
City	Houston	State	TX	ZIP	77063	Country	U.S.

Name of Additional Inventor					<input type="checkbox"/> A petition has been filed for this unsigned inventor.		
Given Name (first and middle (if any))					Family Name or Surname		
Frank F.					Chang		
Inventor's Signature						Date	10/27/03
Citizenship	U.S.						
Residence Address	7215 Emerald Glen Drive						
Residence: City	Sugar Land	State	TX	ZIP	77479	Country	U.S.
Post Office Address	7215 Emerald Glen Drive						
City	Sugar Land	State	TX	ZIP	77479	Country	U.S.



STATEMENT UNDER 37 CFR 3.73(b)

Applicant: **Schlumberger Technology Corporation**

Docket No.: 22.1533

Application No.: 10/667011

Entitled: **Improving Reservoir Communication By Creating A Local Underbalance And Using Treatment Fluid**

Schlumberger Technology Corporation, a corporation, states that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel: _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above to current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned is empowered to sign this statement on behalf of the assignee

Date: 11/14/03

Signature: _____

Jeffrey E. Griffin
Intellectual Property Counsel

ASSIGNMENT

WHEREAS, We, **Lawrence A. Behrmann**, a citizen of the United States of America, residing at 12442 Shadycrest Drive, Houston, Texas 77082; **Joseph A. Ayoub**, a citizen of the United States of America, residing at 2903 Cambry Crossing Ct., Katy, Texas 77494; **Ian Walton**, a citizen of the United Kingdom, residing at 703 Johnson Lane, Sugar Land, Texas 77479; **Adinathan Venkitaraman**, a citizen of India, residing at 2900 South Gessner, #2307, Houston, Texas 77063; and **Frank F. Chang**, a citizen of the United States of America, residing at 7215 Emerald Glen Drive, Sugar Land, Texas 77479 hereinafter referred to as the "Inventors", have made inventions and improvements in: **Improving Reservoir Communication By Creating A Local Underbalance and Using Treatment Fluid** which are the subject of a United States Provisional Patent Application filed on March 2, 2000 under Serial Number 60/186,500; a United States Provisional Patent Application filed on March 8, 2000 under Serial Number 60/187,900; a United States Provisional Patent Application filed on November 22, 2000 under Serial Number 60/252,754; an application for Letters Patent of the United States filed on December 11, 2002 under Serial Number 10/316,614; an application for Letters Patent of the United States filed on March 1, 2001 under Serial Number 09/797,209, now U.S. Patent No. 6,598,682; and an application for Letters Patent of the United States of America, filed with the United States Patent and Trademark Office on the date(s) indicated below, (Docket No. 22.1533), hereinafter referred to as the "Invention(s)".

AND WHEREAS, SCHLUMBERGER TECHNOLOGY CORPORATION, hereinafter referred to as "said COMPANY", a corporation duly organized, incorporated and existing under the laws of the State of Texas, and having a place of business at 300 Schlumberger, Sugar Land, Texas 77478 is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to the Invention(s), and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that we the Inventors, for good and valuable considerations, the receipt and sufficiency of which hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to the Invention(s), described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on the Invention(s) in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon the Invention(s).

TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on the Invention(s).

AND we do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and

assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND we do hereby covenant and warrant that we have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that we have not executed and will not execute any instruments in conflict herewith.

AND we, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that we, our executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to the Invention(s), and any related application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

IN WITNESS WHEREOF, I, **Lawrence A. Behrmann**, have hereunto set my hand and seal this

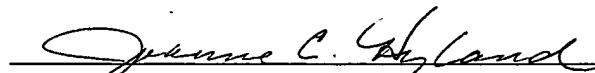
November 14, 2003



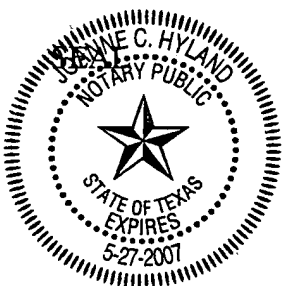
Lawrence A. Behrmann

STATE OF TEXAS §
 §
COUNTY OF BRAZORIA §

BEFORE ME, this November 14, 2003 personally appeared **Lawrence A. Behrmann**, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.


Notary Public in and for the State of Texas

My Commission Expires: 5/27/07



IN WITNESS WHEREOF, I, **Joseph A. Ayoub**, have hereunto set my hand and seal this

October 28, 2003

Joseph A. Ayoub
Joseph A. Ayoub

STATE OF TEXAS §

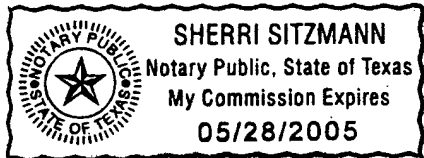
COUNTY OF FORT BEND §

BEFORE ME, this October 28, 2003 personally appeared **Joseph A. Ayoub**, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Sherrri Sitzmann
Notary Public in and for the State of Texas

SEAL

My Commission Expires: 5/28/05



IN WITNESS WHEREOF, I, **Ian Walton** have hereunto set my hand and seal this

10/27/2003.



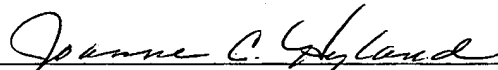
Ian Walton

STATE OF TEXAS

§
§
§

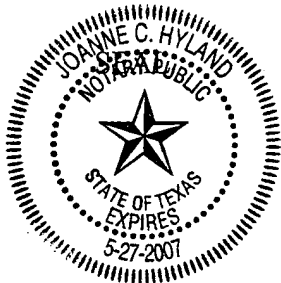
COUNTY OF BRAZORIA

BEFORE ME, this October 27, 2003 personally appeared **Ian Walton**, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Notary Public in and for the State of Texas

My Commission Expires: 5/27/07



IN WITNESS WHEREOF, I, **Adinathan Venkitaraman**, have hereunto set my hand and seal this

28th of October, 2003.



Adinathan Venkitaraman

STATE OF TEXAS

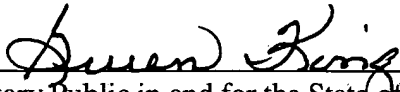
§

§

COUNTY OF HARRIS

§

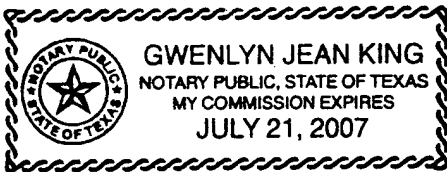
BEFORE ME, this 28th day of Oct., 2003 personally appeared **Adinathan Venkitaraman**, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Notary Public in and for the State of Texas

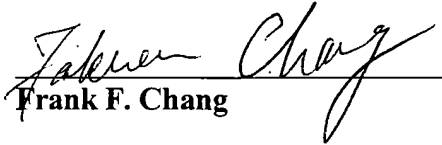
SEAL

My Commission Expires: July 21, 2007



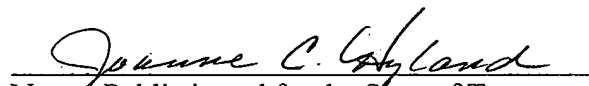
IN WITNESS WHEREOF, I, **Frank F. Chang**, have hereunto set my hand and seal this

10/27, 2003.


Frank F. Chang

STATE OF TEXAS §
 §
COUNTY OF BRAZORIA §

BEFORE ME, this October 27, 2003 personally appeared **Frank F. Chang**, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.


Notary Public in and for the State of Texas

My Commission Expires: 5/27/07

